

in the news

INSIDE

Genetic engineering and Mayor Vellucci's attempts to prohibit recombinant DNA research are discussed by Cambridge City Councilor David Clem in the concluding segment of an interview.

p2

Do professional teams hire biased sports announcers for promotional reasons? The question is discussed in "Perspectives," a new *The Tech* commentary series.

p4

The Dramashop production of George Bernard Shaw's *Misalliance* brings out the humor and wit of the play despite some unsteady acting.

p6

CAMPUS

Microwave thermography, originally developed as a detection technique for molecules in space, may soon prove important in such medical applications as diagnosis of breast cancer, appendicitis and various arterial disorders. According to Allen Barrett, MIT Professor of physics, the microwave radiometer could be used to pinpoint abnormal temperature regions — and thus tumors — in the body as deep as ten centimeters.

MIT alumna Florence Luscomb was honored last Sunday by the Community Church of Boston. The church presented the veteran suffragette with its second annual Sacco and Vanzetti Award for her "unselfish commitment to human welfare and justice." Luscomb, 90, has been active in many civil rights organizations, including the NAACP and the ACLU.

The MIT Concert Band, under the direction of conductor John Corley, will perform works by Gustav Holst, Darius Milhaud, Thomas Beversdorf and others in two free concerts to be held at MIT and Wellesley. The MIT concert will be held on Saturday, Feb. 19, at 8:30 pm in Kresge Auditorium.

THE TECH

David B. Koretz '78 was elected to the position of Features Editor at a meeting of *The Tech* board Sunday.

City council allows DNA research

By Mark James

The Cambridge City Council voted last night to allow recombinant DNA research in Cambridge under the regulation of a new ordinance.

Unanimous Council approval for the ordinance came shortly after an amendment submitted by Mayor Alfred Vellucci that would have banned almost all such research was defeated 6-to-3.

Recombinant DNA research involves the linkage of genes from different organisms. Researchers expect that the technique will provide important insights into the function of genes, knowledge that may help in the fight against cancer. Opponents have alleged that the resulting new organisms may have new and dangerous properties.

The P3 and P4 classes of this research, as classified by the National Institutes of Health (NIH), have been prohibited in Cambridge for the past seven months by a City Council moratorium which expired yesterday evening. Several researchers are prepared to begin P3 research at MIT soon.

The new ordinance is largely the result of the work of the Cambridge Laboratory Experimentation Review Board (CLERB), a panel of Cambridge citizens formed last July to study the problem.

They recommended that research be allowed to proceed under guidelines drawn up by the NIH. They also proposed that the guidelines be stiffened with additional monitoring procedures and asked that a Cambridge Biohazards Committee be set up to supervise recombinant DNA research.

The council approved several amendments to the CLERB recommendations, most of which were largely procedural. One

amendment prohibits any research which is of greater potential danger than that which the NIH recommends should be performed under P3 physical containment and EK2 biological containment. A fine of \$200 per day will be charged for violations.

Associate Professor of Biology Jonathan King, who opposed the research, said that "it was really good that they passed an ordinance" regulating research, but added that "I think it's unfortunate that the research can go ahead without the mechanism for the monitoring being built in."

"I think the third-most densely populated city in the US is not the place for this research," King concluded.

MIT's Walter Milne, Special Assistant to the President for Urban Relations, said that "the council, in effect, has voted nine to nothing to adopt, in all its major parts, the report" of the CLERB. He asserted that the CLERB recommendations "essentially confirm the wisdom of the NIH guidelines."

Controversy arose at the meeting over who was going to pay for the monitoring



Cambridge City Councilor Sandra Graham voted with all other councilors to approve the new ordinance regulating recombinant DNA research. Graham voted for Mayor Alfred Vellucci's total ban on the research earlier, but this measure failed, 3-to-6.

procedures. Many Councilors asked whether the institutions doing the research would pay for these costs if the NIH would not. Milne told *The Tech* that "we're

willing to explore with the city [other] sources of funding," but added that he could make no promises without knowing actual cost figures.

Plans for Kendall crystallize

By Mitch Trachtenberg

The Cambridge City Council will probably act in the near future to amend the Kendall Square Urban Renewal Plan, thereby clearing the way for development of the area in accordance with the "Neighborhood" concept. Public Hearings on the amendment will be held next Monday.

The "Neighborhood" concept, which is supported by MIT and the Kendall Square Businessmen's Association, was selected by the City Council in October

1974 as the best way to develop Kendall Square. It provides for a mixed development, including industrial, both general and technical office, retailing, and housing space. Also provided for in the plan are a hotel and a new fire station.

Kendall Square had been a commercial-industrial area until Cambridge razed almost all the buildings within 59 acres of the 63 acre renewal district — eliminating 3,000 jobs in the process — in order to make way for a NASA Electronics Research Center. At the end of 1969, as a result of budget cutbacks, NASA decided to withdraw from the half built site.

The fourteen acres that NASA had already built on were taken over by the Department of Transportation, and the Cambridge Redevelopment Authority and other groups proposed new development plans for the remaining land at the site. Of the

plans offered, the "Neighborhood" concept was chosen as best by the City Council.

Compensatory legislation, requiring the Federal government to take on the full cost of the project, passed Congress and became law in late December 1975, allowing Cambridge to start more serious exploration of project alternatives.

In November 1976, a draft Environmental Impact Report was completed. The report, which covered the "Neighborhood" concept as well as four alternative plans, concluded that there would be no major adverse environmental impacts under any of the plans studied.

Also in November, a panel from the Urban Land Institute (ULI), a non-profit research and education oriented organization, suggested a development scheme for the Kendall area that matched the "Neighborhood" plan very closely.

DSA OK's dorm bill

By Kent Pitman

Residents of New House who were assessed for damages to their dormitory last year will have to pay, confirmed Associate Dean for Student Affairs Kenneth Browning '66 last week.

"I will not overturn or change the decisions of the [New House] Judcomm as upheld by the Dormitory Council Judcomm," Browning said.

The Judicial Committee appointed by residents of New House 4 had been given a bill of \$600 for damages done to lounge and kitchen areas. The Committee was given responsibility for fair distribution of the bill among residents.

The Committee's decision to charge each resident of the dormitory a small amount and to assess certain individuals larger amounts based on their alleged involvement in the events which led to the damage, met with protests from some residents.

These grievances were brought forth in official appeals brought before the Dormitory Council Judcomm and in letters to the Dean for Student Affairs.

In letters to each appellant, Browning noted that it was unfortunate that the new dormitory had no well-established rules, traditions or government to aid in the decision-making process.

Browning said that "the damages involved were so serious and so many that a charge to the residents by the housing office was entirely appropriate... I believe that this was done conscientiously and as equitably as possible."



Attendance was fairly low for the traditional tuition riot held last Thursday evening. Besides blocking traffic on all but one lane of Massachusetts Avenue, students threw snowballs at

Transparent Horizons and shouted "Forty-three fifty-Too Damn Much" throughout the evening. Dean for Student Affairs Carol Eisenberg was present for most of the event.

John Hopper

Interview

Clem: Vellucci listens to voters

Cambridge City Councilor David Clem was interviewed by The Tech on Jan. 28 on the subject of recombinant DNA research in Cambridge. A portion of this interview was published last issue; the final installment appears below.

The Tech: What is your feeling about Mayor [Alfred] Vellucci's attempts to ban the research outright — is that a political move or do you think he genuinely believes the research is too dangerous to do in Cambridge?

Some of those complaints are against the research, some of those complaints are against universities in general. So it's difficult for me to isolate in a concrete way the total motivation for his opposition.

The Tech: A lot of people, both in the recombinant DNA field and in biology in general, are talking very seriously at the moment about genetic engineering. What's your feeling about that — do you feel that the manipulation


process in Cambridge, and of our moratorium and debate here and hopefully the subsequent implementation of a Cambridge Biohazards Committee. At least, that is the start, of some type of broader review of scientific inquiry. I am encouraged by the response of the institutions in recognizing that this is going to be an ever-increasing problem and that they had better come to grips with it within their institutional frameworks.

I believe MIT is going to sponsor a seminar in the spring and the summer to deal with the issue of limits to inquiry. I think that we have to face this issue, which is an exceedingly difficult one, well in advance of having to be tested by it in a crisis situation.

I am sure that we will establish institutional vehicles or societal vehicles to resolve or reconcile this issue and they will be inappropriate, and fail, and will have to be replaced, and I think that we must start that process soon so that when we do face a serious issue of genetic engineering we will have a vehicle which has been tested and tried and proven to have some utility in resolving complicated, emotional issues such as this one.

I am not prepared to say that all genetic engineering is inherently bad. . . . I think that, for instance, if we were to be able to utilize our knowledge to alter the

(Please turn to page 3)

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Clem: two sides to gene issue

(Continued from page 2)

genetic structure of those people who are hemophiliacs that science will have made a valuable contribution utilizing a technique to solve a problem that needs to be solved and [whose solution] will reduce suffering and anguish, for a great number of people. . . .

Obviously, the other side of the coin is that genetic engineering also provides the power . . . to

determine that everyone will have blue eyes, or that every couple would be able to determine the sex of their first child.

Obviously I think the potential for abuse of that type of resource is awesome. If in our recent history we can have individuals who have substantial amounts of power at their disposal who try to eradicate millions of individuals because of their religious heritage,

then I believe that we should not be naive [enough] to think that there will not be individuals who will try to utilize genetic engineering to screen out certain types of individuals, and I think that's an obvious abuse of that power. . . .

How then does one deal with that conflicting issue — do you simply say "Stop, we do not want to learn genetically" or does one say "allow inquiry to go forward, but limit its application."

A lot of people argue that the information [and] the knowledge is neutral, and that its application must be regulated. That is easier said than done, and I personally am not optimistic that we will be able as a society to handle complex genetic engineering issues in the near future. But I honestly do believe that the Cambridge City Council, in many ways quite by accident, has begun a tremendous and important debate within society at large of how we are to regulate scientific inquiry, and I think that this episode will be looked upon several years from now as an important beginning.

notes

* The Activities Development Board is receiving applications for capital equipment funding for student and community activities until Feb. 14. Applications may be secured from Dean Holden's office in Room W20-345.

* The MIT Chess club is sponsoring a speed chess tournament for Saturday, Feb. 12, in Rm. 407 of the Student Center. An entry fee of 50 cents will be charged; all money will be returned in prizes. Starting time will be 1pm. If there is sufficient interest, a hughouse tournament will be held the following week. For more information, call Brad at d15-8156.

* Registration for English conversation classes for foreign wives at MIT will be held Tuesday, Feb. 8, in the Emma Rogers Room, 10-340. Beginning intermediate and advanced classes will be available. Child care will be available for pre-school children for a \$5 fee. The course of 18 classes will meet Tuesday and Thursday mornings. The fee is \$20. For further information, call Ms. Joshua B. Feldman at 527-1022 or the MIT Women's League office, x3-3656.

* Songwriting, a special section of the Writing of Poetry, 21.734, will be offered again this spring by the Writing Program. The workshop will focus on the writing of song lyrics. Each member will present work regularly for discussion. In the past, the class has experimented with collaboration. Several outside readings, including Woody Guthrie's *Bound for Glory*, will be used to discuss the social context of songwriting. First meeting will be Feb. 14 at 7pm. Please contact the instructor, Seth Racusen (14E-310C, x3-7897 or x3-7894) in advance.

* Quotes are being solicited by the FAC Office for the 1977 *Freshman Handbook*. If you'd like to contribute your thoughts and you didn't receive a form in the mail, stop by the FAC Office, 7-103, to get a form to fill out.

* The Deans Office is seeking applicants for the position of graduate residents in the Institute Houses, fraternities, and independent living groups for the academic year 1977-78. To be eligible, one must be a graduate student at MIT, either having completed undergraduate work here or one year of graduate work after graduation from another school. On Thursday, Feb. 24, at 7:30pm in 10-105 there will be "Mini Information" for those interested in the program. Complete information and an application may be obtained from the Deans Office, 7-133.

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opinion

Technical education isn't always enough

By William Lasser

Many of the most pressing problems which America faces can be traced directly to the philosophy of education which pervades our university system, and which is epitomized by the approach taken here.

The difficulties faced by our cities, by our government and by our people are in a large sense the result of a narrow, *ad hoc* approach to a series of individual problems, attempts at quick, short-term answers to questions which require exactly the opposite tack.

MIT graduates especially are taught to consider only the immediate effects of their actions, to be content with having staved off disaster for yet another day, to delude themselves into thinking that all that matters is the present objective, and that future crises can be dealt with as they arise.

here
and
now

We become extraordinarily adept at conjuring up specific solutions to individual problems. But we must be told what to do at every step of the way. We are never given the opportunity to look at the real world from a wide angle; to determine what is wrong and how we can go about fixing it. Instead, we begin to resemble the intricate web of the French underground, in which everyone had a task to perform but no one knew anything of what anyone else was doing.

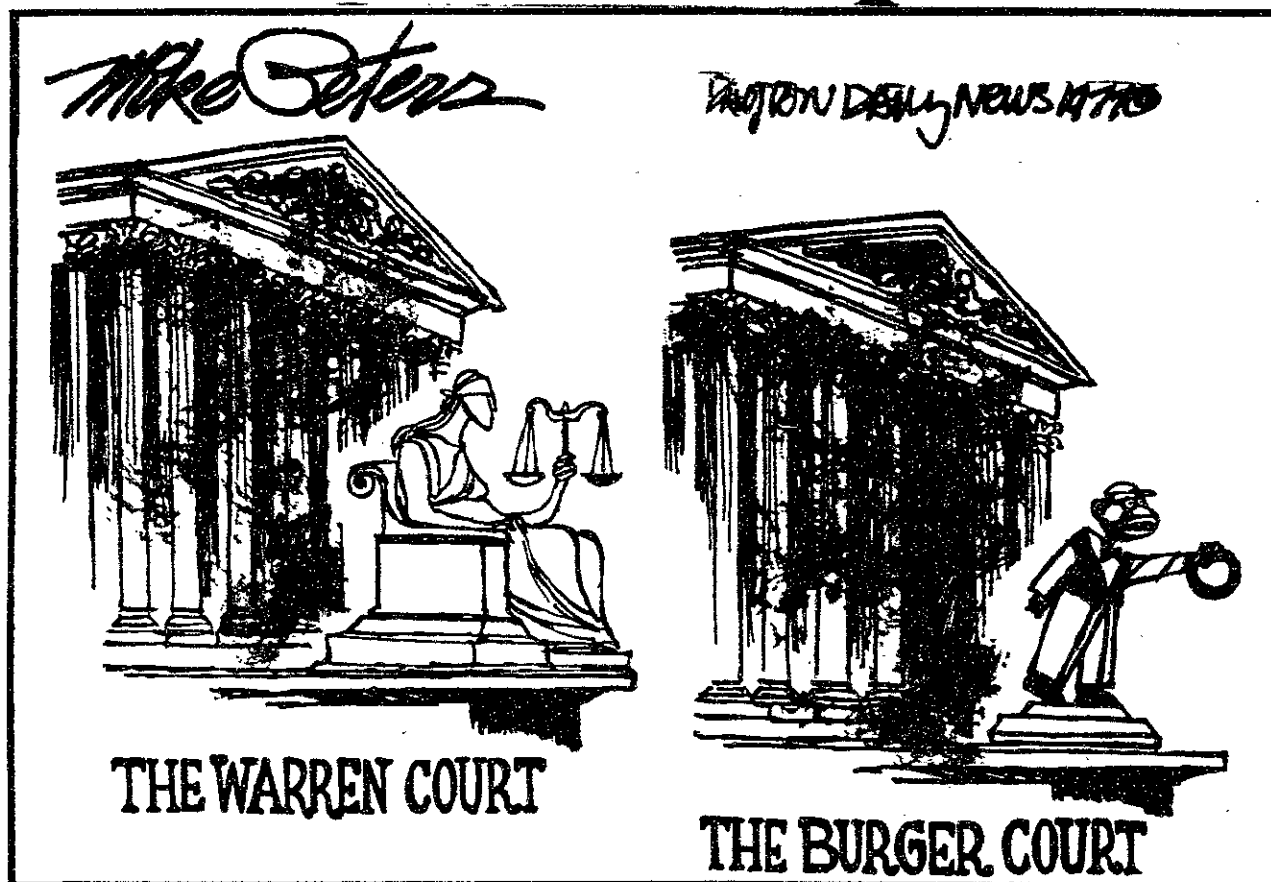
A university, and most of all a university as great and influential as ours, should educate its students by training them in the difficult art of problem-solving on the broadest possible level. Instead, MIT teaches us to use the tools of science to respond deftly to the "present danger" only, without regard to the full picture of society.

Expertise in a field such as electrical engineering is sufficient to provide one with a comfortable living and adequate prestige. But it is not enough to give one the judgment and skill necessary to be the catalyst of social change. Because the great scientists of history — Descartes, Galileo, Newton — were also humanists and philosophers, they are on a plane far above such inventors and technicians as Edison, Jenner and the Wright brothers.

It is impossible to use one's mastery of a technical subject to full advantage without some concept of its role within the broad picture of society. Without a knowledge of the social sciences, without a familiarity with literature, art and history, engineers and scientists are relegated to being the mere instruments of other men, men who have the dedication and inspiration to effect change, but who lack the ability to understand the techniques involved in doing so.

The solution to the fundamental problem of properly educating engineers and scientists does not lie in simply forsaking the teachings of Halliday and Resnick for those of Fitzgerald and Faulkner. Rather, it involves the skillful combination of the two, the correct recipe which provides enough science and at the same time offers a strong humanistic background.

We are known as the best technical school in the world, despite the protestations of a certain small institution in Pasadena. We have the potential to produce the social entrepreneurs of the future, men and women who have both the commitment, the vision and the education to assume the burdens of leadership in this, the age of technology.



The Media

TV sports coverage biased

By Glenn Brownstein

Ever since former President Nixon battled with the news media over whether they slanted their newscasts or reports for purposes of attack, the question has been raised — are newspapers and the broadcast media biased?

While I feel that such regulations as the Fairness Doctrine and the Equal Time provisions have forced network news organiza-

Barber, longtime Brooklyn dodger and New York Yankee announcer, was doing a Yankee game one cold, blustery night with very few fans in attendance — about 500 in the mammoth confines of Yankee Stadium — when a call came from the Yankee management *not* to show the small turnout.

Barber, while acknowledging the Yankees' desire to avoid un-

Francisco Bay Area's treatment of the Franco Harris "immaculate reception" in the Oakland-Pittsburgh playoff game in 1972 or in the contrast between New York and Boston reports of the Yankee-Red Sox melee last spring. In the first case Pittsburgh reporters expressed uncertainty as to whether the catch was legal, but hailed the victory anyway. The night after the game, Bay Area TV stations replayed the catch at least three times per news telecast in an attempt to show how the Raiders were "robbed." In the second case it was a simple case of playing to the fans: if you were in Boston, it was a sign of Yankee brutality, and if you were in New York, Lee got what he deserved. That's how newscasts were colored — not just commentaries.

Maybe one solution to this problem of bias is to get rid of most of the ex-jocks on camera. Maybe a better solution is to allow the stations to regain the major role in choosing announcers, a practice plainly abused by many teams today.

perspectives

tions to strive for evenly-balanced presentations, no such strictures apply to sports. I believe that there is an area of sports coverage where deception of a mild sort is practiced and encouraged. It's something like Richard Nixon hiring his own reporters/analysts to cover his speech on television. It's as if Dino DiLaurentis reviewed *King Kong*. What I'm speaking about is the major league sports teams' practice of hiring their own announcers. Dick Stockton and Hawk Harrelson aren't employees of Channel 38, *per se*; they work for the Red Sox both in announcing and promoting capacities.

Luckily for us viewers, many teams choose nationally-renowned, largely unbiased broadcasters to do play-by-play work; if Bob Cousy or Barry Ashbee supply the color, no one will argue. But there are "homers" in every sport, like Johnny Most in Boston or Bob Prince in Pittsburgh (now Houston), that bring you the game from the home fan's (interpreted more realistically as the *team management's*) view. The knowledgeable fan who tries to watch a Celtics game on TV while listening to Most on WBZ often cannot believe his eyes, so different are the two interpretations of the game.

More annoying than interpretation, though, is the practice of certain national announcers of watching an instant replay that seemingly contradicts an official's judgment, then lauding the referee for a "good call." National announcers are usually hired by the network and approved by the league; rarely, if ever, is an announcer hired if the network approves but the league doesn't.

In a famous case about ten years ago, the refusal of a sports broadcaster to obey management wishes at the cost of objective reporting led to his firing. "Red"

favorable publicity at a time when the team was safely ensconced in the cellar, objected to the club's interference with the telecast. The crowd, indeed, was the smallest at the ballpark since World War II, a legitimate news story even though, considering the weather, it was amazing even 500 fans showed up. So Barber ordered a shot of the crowd while mentioning its size — and he was fired at the end of the season.

One can find many examples of on-screen bias, whether in the San

feedback

Reader differs with critic on Sparks-Smith review

To the Editor:

Your recent item, "Both Sides of the Record," raised two points that require further discussion. We are referring to your "Editor's Note" and to Ms. Perry's critical analysis.

An apology must be extended to Ms. Perry for the unfortunate confusion of gender in the original letter. The unconscious sex role stereotypes represented by such mixups are a too frequent reminder of how little "consciousness" has been raised in this country. However, we're afraid that the blame for this episode must rest with your editorial staff. The byline on the original article was "Claude Perry." In these circumstances, it would have required clairvoyance on your readers' part to discern that Ms. Perry was female.

Considering the absence of any noticeable musical talent in Sparks, it is surprising that Ms. Perry is so ready to defend their performance. She agrees that they are banal and childish. Perhaps their subtle humor derives from the "rabid cult" following of such

a lackluster, mediocre act. Sparks could certainly improve themselves by gaining experience in another field. Our concert halls and record bins would be much improved for their departure from the music scene.

Ms. Perry, who is sensitive enough to appreciate Patti Smith's poetry, is unable to appreciate the same elements when they appear in Smith's music. While Smith and her band have not always been consistent, their material and their performances always have an exciting element of experiment present in only the best bands. One does not deny the experimenter's errors as one does not fail to praise his/her successes. Smith's music suggests the future; Sparks suggests only a loud, monotonous present. We are pleased that your critic will remember Patti Smith forever; perhaps in that time she will learn to appreciate Smith's contribution to Music.

Anthony P. Rodrigues '77
Richard Dean
February 2, 1977

The Tech

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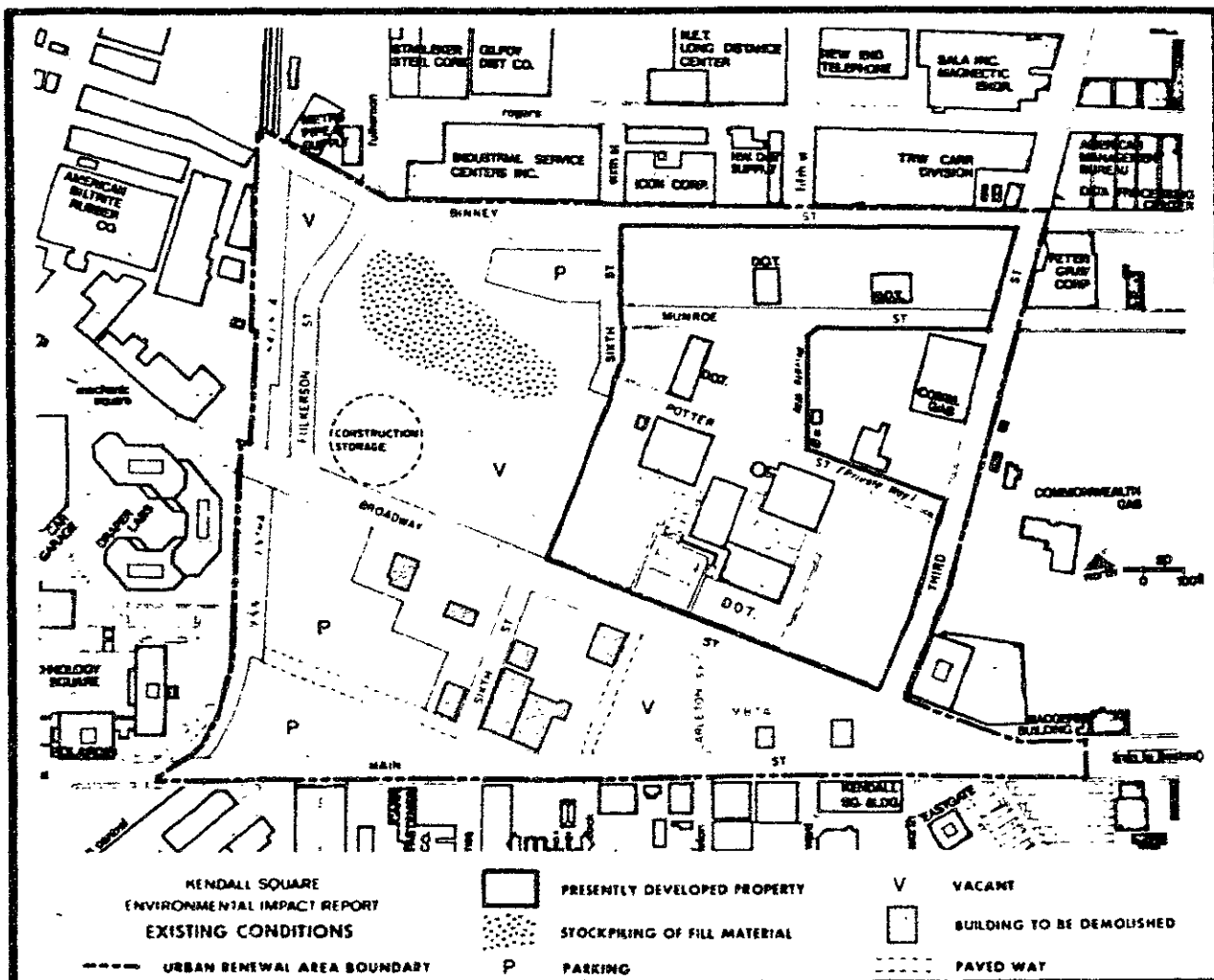
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Discussions on current church teachings and views on social issues will be led by Bob Keane for 6 weeks beginning on Wednesday, March 2 at 8 PM.

Update

Council to act soon on Kendall Sq. plan

(Continued from page 1)

The panel informed Cambridge that Kendall was an excellent site for developers, and that the city should move quickly to make the final preparations for development, including street closings and land preparation. The ULI panel also warned the city that it would be difficult to develop housing in the area as part of the initial phase of the project.

If the City Council acts on the amendment updating the Urban Renewal Plan, concrete proposals from potential developers may be expected almost immediately. The Cambridge Redevelopment Authority has employed a firm to do marketing studies, and based on talks with over 50 potential developers, the firm is highly optimistic about the prospects for the area.

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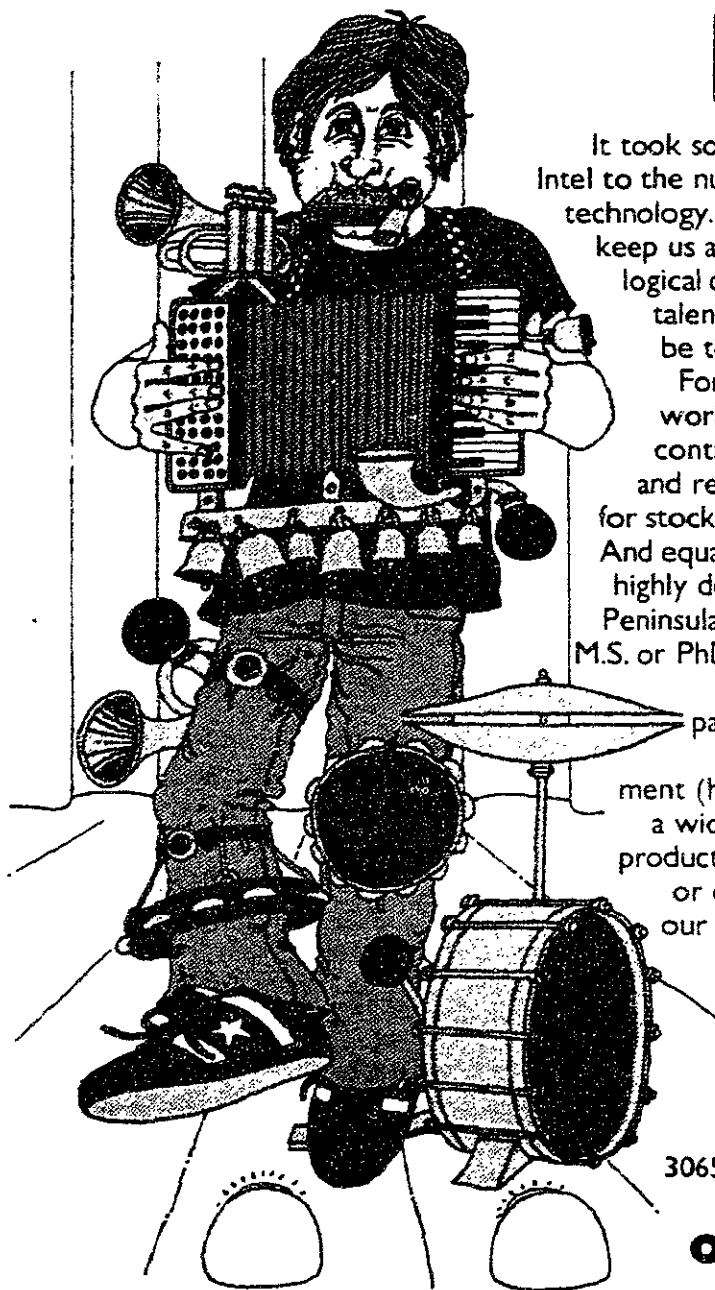
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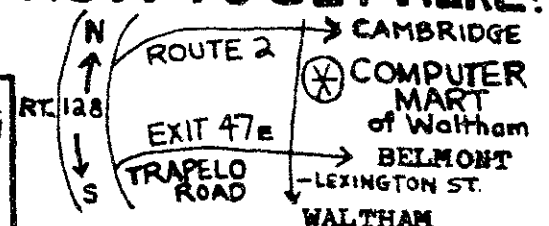
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MIT Dramashop clicks with Shaw's *Misalliance*

By Kathy Hardis

Although the MIT Dramashop's current production of George Bernard Shaw's *Misalliance* occasionally falters during the play's long and difficult stretches of Shavian dialogue, it is, on the whole, very witty, well staged under the direction of Joseph D. Everingham, and most importantly, very funny.

Written in 1909, *Misalliance* is one of Shaw's least-known works. During that period the already established playwright wrote for his own enjoyment, and his plays were rarely performed because producers considered them to be too "talky."

Misalliance is indeed talky; "nothing but talk, talk, talk," as one character says. This talk stems from the play's ostensible plot — the projected marriage between a lord's son and an underwear manufacturer's daughter — and proceeds to discuss socialism, British hypocrisy, popular literature, and what Duchesses think of modern plumbing.

The theme of the play is that parents and children, having no free selection of one another, generally are poorly matched. This misalliance strikes Shaw as being far more disastrous than a marriage between persons of differing social positions.

Yet as Shaw reflects on the complex nature of familial relations, he touches upon platitudes of democracy, truths of aristocracy, fallacies of romantic love, and relations between socialism and capitalism. The play ends up with too many themes to make a comprehensive statement, but fortunately this overabundance of Shavian rhetoric is masked by a comic plot.

The story centers around the members of a middle-class English family led by Mr. Tarleton, an exuberant tycoon who found financial success in man's need for underwear. He is the image of Shaw's young father, the drawing room atheist who quotes his chosen gospels and urges his listeners to read Ibsen, Tennyson, and sometimes even "what's-his-name," (meaning Shaw himself.)

His lovely daughter Hypatia, engaged to the tantrum-throwing son of a weary nobleman, is stifled by the pleasures forced upon her by her father's wealth and therefore yearns for something exciting to happen.

Something does happen, literally out of the blue, as an airplane crashes into the Tarleton's greenhouse. The plane is occupied by a dashing young aviator and a Polish lady acrobat who relaxes by juggling six oranges while reading the Bible.

The production's most consistently good performance is that of Gunner (Andrew Pieka), a humorous would-be assassin and socialist underdog who hides out in Tarleton's Turkish bath with the ironic intent of biting the hand that feeds him.

Also deserving acknowledgement are Gary Maciag '78 as the cultured underwear

manufacturer, and Carolyn Curry, Wellesley '79, as his well-meaning wife, affectionately yet aptly known as "Chickabiddy."

Alison Heiserman, Wellesley '79, is very good as the emancipated young Hypatia, and Susan Morgello '78 gives an admirable performance as the Polish *femme fatale*, especially in her long, disparaging speech about making love.

Although most of the performances do have their memorable moments, the overall quality of the acting is uneven and weak in certain scenes. This is an understandable consequence of the demands placed on the actors by their difficult roles which require concentration, convincing characterization, and an astute sense of theatrical timing.

Also somewhat distracting to the dialogue is the inability of some actors to establish an accent, either American or British, and to maintain it throughout the play.

The production is visually and technically excellent. The beautiful set, designed by William Fregosi, complete with a stained glass ceiling, marble pillars, and potted plants, gloriously characterizes a *nouveau riche* Edwardian summerhouse.

The wonderful costumes, designed by Cecelia Eller, are historically accurate and appropriate to their characters. The lighting, designed by Guy Arnos '77 and supervised by Edward S. Darna, is similarly very good.

George Bernard Shaw must have enjoyed writing *Misalliance*, a work filled with wit, humor, interesting characters, and an equally interesting plot. It should definitely be seen by any Shaw aficionado. Despite the production's occasional theatrical weaknesses, it is still very funny and very entertaining.



Dave Davies performs with the Kinks at the Music Hall Saturday night.

Kinks going strong after 16 years

By Claudia Perry

Beginning their 16th year together, the Kinks proved they can still electrify an audience as they brought the first of two sold-out crowds to their feet at the Music Hall Saturday. The band, who in recent years have become well-known for witty stage productions of their albums, calmed any fears about their ability to pace a concert without relying on dramatics. The set was a skillful mix of old favorites and a few cuts from *Sleepwalker*, their debut album for Arista.

Drama is still an element of any Kinks concert. Lead singer/songwriter Ray Davies' melodramatics blend perfectly with his songs about alcohol, English public school and loneliness. One particularly fine moment came during his rendition of

"Alcohol," an ode to the evils of drink, when he balanced a bottle of beer on his head. This event and the reggae-fied chorus of "You Make It All Worthwhile" were the comic highlights of the evening.

Davies had no trouble controlling the audience for nearly an hour and a half. He convinced the throng that he needed their

"Lola," one of the group's more well-known songs.

Although Ray is a mesmerizing performer, the rest of the Kinks should not be slighted. Dave Davies, Ray's younger brother and the group's lead guitarist, is rapidly losing his title of rock's "most improved" guitarist. His solo during "The

"... during his rendition of 'Alcohol,'... he balanced a bottle of beer on his head."

support during the call-and-response section of "The Banana Boat Song," a Harry Belafonte favorite. He was also able to persuade the crowd to sing several choruses of

"Hard Way" shows that he knows more than the three chords that got the Kinks through the first six years of their existence. These three chords were summoned up during his blistering, rave-up solo in "You Really Got Me," the group's first hit in this country.

Dave is also responsible for the harmonies on many Kinks classics such as "Waterloo Sunset" and "Sunny Afternoon." It is rather sad that these were lost in the dreadful sound system.

Both Dave and Mick Avory, the Kinks' drummer, have been with the band since its inception. Avory, like Dave, has improved immensely since 1961. His steady but not repetitive style has almost become the Kinks' trade mark.

Keyboard player John Gosling, although with the band only since 1970, has been a definite asset. His mournful organ solo during "Alcohol" was quite appropriate. By contrast, his music hall piano stylings during "Acute Schizophrenia Paranoia Blues" are ironic and amusing.

The bass line is a very important part of most Kinks songs. Saturday's concert saw the unveiling of a new bassist; his performance is excellent considering he has only been with the group one month.

The Kinks are indeed one of rock's finer aggregations. The combination of Ray Davies' songwriting and the band's ability has endured admirably for more than a decade and a half. Saturday's performance proved that they can endure for many more years to come.

Boston draws hometown raves

By David B. Koretz

Barely six months after their debut album was released on Columbia's Epic label, Boston seems destined to become rock's next supergroup. The audience reaction to Friday night's concert at the Music Hall was a good indication of how far the group has come in a short time.

With a fervor usually reserved for established acts in the class of the Who or Yes, Boston's hometown fans greeted the five-man band with several standing ovations, the first before they even started to play. More surprising, however, was the group's performance for their new-found following.

Boston's set was professionally played and almost polished, in sharp contrast to their lackluster and poorly-produced warm-up performance four months ago. The band's repertoire has been increased by about six or seven good songs, in addition to those on their debut album, *Boston*.

Opening with "Rock & Roll Band," the group's lyrical introduction ("Well, we're just another band out of Boston..."), they

moved briskly through "Peace of Mind" and "More than a Feeling," their gold single. A pair of tunes from an upcoming album followed; one of these was surprisingly mellow for this loud, hard-rocking band.

Other cuts played from the chart-topping album included "Foreplay," "Long Time," the aptly titled "Smokin'," and "Something About You." In addition, about three or four new songs were belted out; and from what was played, their next album should be as widely acclaimed as their first.

Boston has been much maligned during its short career as being little more than a promotional hype built around the technological histrionics of Tom Scholz' guitar. Scholz, who graduated from MIT with a master's degree in Mechanical Engineering, has invented several electronic gadgets for his instrument, and brings to the group the hard-driving sound inherent in everything it plays. He amazed the Music Hall crowd with a magic show on his special-effects guitar after solos on acoustic guitar and organ.

Singer Brad Delp performed like an old pro, using the stage as a stomping ground and keeping the standing-room-only crowd in the palm of his hand throughout the night, even venturing into the crowd during "Smokin'." Barry Goudreau, who plays both lead and rhythm guitar (like Scholz), showed his prowess in solos and dueling duets with Scholz.

Drummer Sib Hashian succeeded in helping bass guitarist Fran Sheehan keep the fast-moving beat. Sheehan was the only reminder of the group's early days of live ineptitude, often appearing at a loss on the stage or getting in someone else's way.

The unannounced warm-up group was Ace, who recorded the single "How long (has this been going on?)." The more melodic English band brought the crowd alive with a reasonable set, but it was Boston that the more than 2,000 fans came to hear, and their enthusiasm was well rewarded.

By the end of their current tour, Boston will have achieved, in a remarkably short time, nationwide status as an excellent live band, as well as an accomplished studio group.

sports cont.

Women swim to .500 record

By Wendy Irving

Last week the Women's Varsity Swim team hosted three meets, facing Southeastern Mass., BC and Trinity. Although they lost to BC 89-42, they soundly beat SMU and Trinity with scores of 76-53 and 84-44, respectively, bringing the season record to 3-3.

In the meet against SMU, the MIT women lost the first relay race and found themselves seven points down. Carol Brown '78 and Wendy Irving '77 came in 1-2 in the next event, the 200-yard freestyle, to tie the score at 8-all. Sheila Konecke '80 and Barb Thornton '79 finished 1-2 in the 100-yard individual medley, to put MIT ahead 16-9. From then on, the Engineers never lost the lead. Konecke placed first in the 50- and 100-yard breast stroke. Carol Brown '78 finished first in the 50-yard freestyle and second in the 100-yard freestyle. Karen Fabricius '80 won the 50-yard butterfly, 100-yard freestyle and 500-yard freestyle. Lori Lamel '79 won the one-meter diving; Joan Hooper '78 took the three-meter diving. Beth Marcus '79 finished second in the 50-yard backstroke and 100-yard breast stroke, as did Joan Hooper in the 1-meter diving. Brown in the 100-yard freestyle, Irving in the 500-yard freestyle and Lamel in the 3-meter diving.

The women fared better against BC than some of BC's other opponents this season. Fabricius set a women's pool record in winning the 500-yard freestyle event with a time of 6:13.4. The second place time was 6:23.8 by Miles of BC. Fabricius also won the 200-yard freestyle, placed second in the 50-yard butterfly and was a member of the winning 200-yard freestyle relay team along with Brown, Konecke and Thornton.

Encouraged by their performance against such strong a team as BC, the women took the two relay events for 14 points and came in 1-2 in four other events to push past Trinity Saturday in a combined men's-women's meet. After winning the opening medley relay, Fabricius and Irving combined a 1-2 finish for 8 points to put MIT ahead 15-1.

The MIT team never lost its lead. Thornton and Tina Kangas '78 won 8 points in a 1-2 sweep of the 100-yard butterfly, as did Irving and Brown in the 500-yard freestyle, and Lamel and Hooper in the three-meter diving. Lamel also won the one-meter diving event. The 200-yard freestyle relay of Brown, Kunica, Thornton and Irving blew past the Trinity team to finish the meet. MIT points were also scored by Thornton second in the 100-yard individual medley and third in the 50-yard freestyle, Kunica third in the 50-yard backstroke and second in the 100-yard backstroke, Barb Belt '77 second in the 50-yard backstroke and third in the 100-yard backstroke, Marcus second in the

50-yard breaststroke and 100-yard breaststroke, Kangas third in the 50-yard breaststroke and 100-yard breaststroke, Brown second in the 50-yard freestyle and third in the 100-yard freestyle and Hooper third in the one-meter diving.

In just its first full season of being a varsity sport, the Women's

Swim team has hopes of sending some of its team members to the nationals. The 200-yard freestyle relay team of Fabricius, Brown, Thornton and Konecke, and individually Fabricius and Konecke are within tenths of seconds from qualifying for the small college division nationals to be held in March.



LCA's Keith Terrien '80 fires one past Bobby Jones '76 of Baker as Bob Laurenson '75 also of Baker looks on. The Lamchops went on to beat Baker/FIJI 2-1 in A-league action Wednesday.

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sports

Basketball squad wins in overtime

By Glenn Brownstein

Freshman center Ray Nagem spearheaded a sensational comeback to lead the MIT men's basketball squad to a 93-87 overtime win over Clark University at the Rockwell Cage Saturday night.

Nagem's 17 rebounds and 26 points, including the game-winning layup with 59 seconds left in the overtime, paced the Beavers to their fifth victory in 14 outings.

Every member of the MIT starting five hit over 50 per cent of his field goal attempts and the Beavers controlled the boards for only the second time this year in gaining the victory. In fact, if MIT had not shot a blazing 57.7 per cent from the floor, the game would not have made it into overtime.

Clark roared to a 21-9 lead after six minutes, but MIT whittled the margin down to two (31-29) before Clark opened it back up to eight at the half. The Cougars came out charged up in the second half and built a 51-39 lead in two minutes, but the Beavers neatly de-fused Clark with an incredible run of eight baskets in eight shots, six of them from outside the foul lane. Clark hit only one field goal and two foul shots during the MIT spree, and the home five had its first tie of the game at 55-all.

The squads battled to eight successive ties at two-point intervals until Clark's Pete McMillan hit two free throws and a field goal to give the Cougars a 75-71 lead with 4:51 left in regulation play. Although MIT stayed within two points down the stretch, the battle appeared to be lost when Clark settled down to what it hoped would be a game-ending stall with an 81-79 lead and just 1:34 remaining.

But Cougar guard Bob Perrone threw a backcourt pass with 1:04 left, and the Beavers had their chance. MIT worked the ball to forward John Cavolowsky '77, who floated in a short jumper

with 44 seconds left to tie the score. Clark missed a shot with five seconds left, and Nagem's 25-footer at the buzzer was way off, so the teams faced another five minutes' struggle.

MIT scored first in the extra session on a Peter Maimonis '77 jumper, but McMillan tapped in an offensive rebound to pull Clark even at 83-all. John Doyle '77 and Cavolowsky hit to push MIT up by four, but the Beavers frittered away chance after chance to lock up the contest and Clark's Rich Mahoney followed a 20-foot jumper with two free throws to draw the Cougars even, with 1:43 left. The teams traded turnovers, and MIT had the ball at midcourt with 1:02 left.

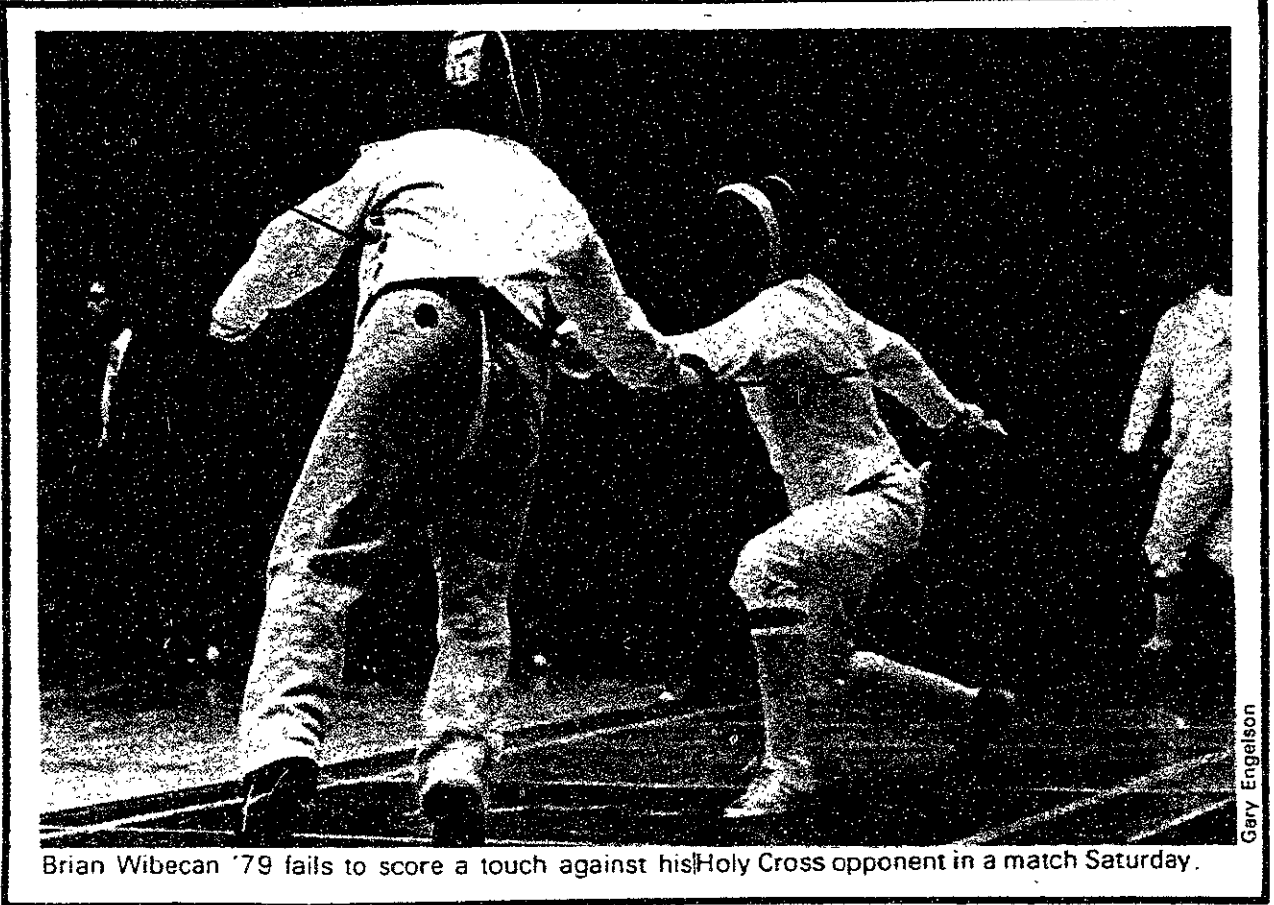
One of the aspects of good coaching is knowing when to use the trick play to greatest advantage. With Maimonis set to inbound the ball, Beaver coach Fran O'Brien sent Nagem on a curl pattern to the basket. In one motion, Nagem received Maimonis' 45-foot loop pass and laid it in for what proved to be the winning basket with 59 seconds to go in overtime.

Clark missed a shot with 30 seconds left, and Cavolowsky, fouled in desperation, iced the game with two free throws.

All five MIT starters scored in double figures, as Cavolowsky poured in 20, Maimonis 18, Doyle 16 and Rick Van Etten '78 tallied 10 points. McMillan scored 24 points and pulled down 13 rebounds to lead the Cougars in both departments, while Cougar center Dan Coakley tallied 23 points.

Nagem's hot shooting night (12 for 20) strangely lowered his field goal percentage to 62.3 per cent, but that figure still ranks him among the national leaders, along with Cavolowsky who stands at 59.9 per cent.

The Beavers shoot for their first two-game winning streak tonight at Nichols before facing winless Gordon at home Saturday at 8:15pm.



Brian Wibecan '79 fails to score a touch against his Holy Cross opponent in a match Saturday.

Swimmers win one, lose one

By Gregg Stave

The MIT swim team lost a close contest, 59-54, to a strong Amherst team Wednesday and solidly defeated Trinity College, 66-47, on Saturday.

In a meet that was not decided until the final event, the 400-yard freestyle relay, a fired up MIT squad continually threatened to upset Amherst. Led by freshman John Dieken and sophomore Preston Vorlicek, the Beavers fought hard but still came up short. Having just set new marks in the 1000-yard and 500-yard freestyle races last week, Dieken missed breaking another school record by just .04 second in the 200-yard freestyle, winning that race in 1:50.94. He also took the 500-yard freestyle, fighting off two Lord Jeffs just seconds behind him.

Vorlicek also recored a double win, finishing first in the 200-yard individual medley and the 200-yard breaststroke. Divers Rick Ehrlich and Bob Hone combined again to dominate both springboard events. After the three-meter diving, the second to

last event, the score stood at 54-52 in favor of MIT. All the efforts of the evening, however, were measured by the outcome of the final relay as Parisi, Sitz, Mackey and Bain of Amherst pulled away and held the lead to win the relay and the meet.

The Beavers did not interrupt their training program, swimming against Trinity on Saturday without rest. The much improved Trinity team proved a tougher opponent than originally expected, but due to a good team effort the Beavers scored the points they needed end won the competition decisively. Vorlicek became the season's first triple victor as he touched first in the 200-yard individual medley, 200-yard butterfly, and the 200-yard breaststroke. Once again, Dieken played a key role in the victory. After leading off in the 400-yard medley relay, which MIT won,

and winning the 1000-yard freestyle he stepped back up to the blocks for the start of the 200-yard freestyle.

Once both coaches had turned in the official entry cards and Trinity had entered their best swimmer, Dieken walked back to the bench in a tactical ploy that worked to the Beavers advantage. Dieken returned to the blocks for the 500-yard freestyle, this time to swim, and coasted to an easy win. The one-meter required and optional diving events brought no surprises as Rick Ehrlich '77 picked up the double win. Sam Senne '78 hit the pad first in the 50-yard freestyle and finished a close second in the 100-yard freestyle.

Tomorrow the swim team, now 4-2, travels to Boston University to compete against BU and Norwich in a tri-meet at 7pm.

Skaters resume winning ways

By Tom Stagliano

The Varsity Hockey team blasted Bates 9-1 as graduates Lou Odette and Evan Schwartz fired in two goals each. The win pinned the Beaver record at 8-4-1 and reversed a late January slump.

The Beavers had six goals before 21 minutes had elapsed in the contest, which was played at the Briggs Rink during a driving snow storm. Aided by the snow and superb goaltending, the

Beavers were able to bottle up Bates in their end and capitalize on loose pucks in the goal mouth.

This game marked the return of Assistant Captain Schwartz, who was sidelined earlier this month by a broken leg. Still hampered by the mild fracture, Schwartz hustled his way to two goals and one assist. Dave Damery '80, an up-and-coming new addition to the Beaver team, contributed one goal and three assists to the lopsided victory. MIT net-minder Dan Costa '78 also played ex-

tremely well, turning in 24 saves in the first two periods. In the third period, when the weather cleared and MIT goalie Tom Stagliano entered the nets, the Beaver victory was assured as they added two more goals to the tally.

The Beavers go on the road to Curry College tomorrow evening and then return for a long home stand against Assumption, Nichols, Clark, Fitchburg St. and Bunker Hill.

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